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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Arthur M. Kreig
Serial No: 09/337,619
Filed: June 21, 1999
For: METHODS OF TREATING CANCER USING IMMUNOSTIMULATORY OLIGONUCLEOTIDES
Examiner: Not Yet Assigned
Art Unit: 1617

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first class postage attached, addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on the 19th day of November, 1999

Kim Ray Akeeli
Kim Ray Akeeli

Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Before beginning examination of the above-identified application on its merits, please enter the following amendments and remarks.

In the Claims

Please amend the claims as follows:

42. (Amended) A method for increasing the responsiveness of a cancer cell to a cancer therapy, comprising:

administering to a subject having a cancer an effective amount for increasing the responsiveness of a cancer cell to a cancer therapy of an immunostimulatory nucleic acid, having a sequence including at least the following formula:



wherein C [and G are] is unmethylated, wherein X₁X₂ and X₃X₄ are nucleotides, and wherein the sequence is not palindromic.